

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

Please cancel claims 4 and 5 without prejudice or disclaimer.

1. (Currently Amended) A rubber composition comprising 100 parts by weight of a rubber component containing a modified conjugated diene-based polymer having a fullerene bonded thereto ~~in the molecule~~ in an amount of 0.001 to 2 molecules per one molecular chain of the modified conjugated diene-based polymer and a weight average molecular weight of 50,000 or more and present in an amount of 0.5 to 100% by weight based upon the total amount of the rubber component and 5 to 100 parts by weight of a reinforcing filler wherein said reinforcing filler is at least one member selected from the group consisting of carbon black and silica, wherein the modified conjugated diene-based polymer is synthesized by reacting the (i) growing terminal anions formed by an anion anionic polymerization of (ii) the conjugated diene-based polymer, or an aromatic vinyl monomer and the conjugated diene monomer, and (ii) a fullerene.
2. (Previously Presented) A rubber composition as claimed in claim 1, wherein the amount of the fullerene bonded to the modified conjugated diene-based polymer is 0.01 to 2 molecules per one molecular chain of the modified conjugated diene-based polymer.
3. (Previously Presented) A rubber composition as claimed in claim 1, further comprising 0.1 to 10 parts by weight of a vulcanizing agent, based upon 100 parts by weight of the rubber component.
4. (Canceled)
5. (Canceled)

6. (Currently Amended) A rubber composition as claimed in claim 1-5, wherein the aromatic vinyl monomer unit forms 10 to 80% by weight of the modified conjugated diene-based polymer.

7 (Currently Amended) A rubber composition as claimed in claim 2, wherein the modified conjugated diene-based polymer is synthesized by reacting the growing terminal anions formed by an anion anionic polymerization of the conjugated diene-based polymer and a fullerene.

8 (Currently Amended) A rubber composition as claimed in claim 3, wherein the modified conjugated diene-based polymer is synthesized by reacting the growing terminal anions formed by an anion anionic polymerization of the conjugated diene-based polymer and a fullerene.

9 (Currently Amended) A rubber composition as claimed in claim 2, wherein the modified conjugated diene-based polymer is synthesized by reacting the growing terminal anions formed by an anion anionic polymerization of an aromatic vinyl monomer and a conjugated diene monomer with a fullerene,

10. (Previously Presented) A rubber composition as claimed in claim 9, wherein the aromatic vinyl monomer unit forms 10 to 80% by weight of the modified conjugated diene-based polymer.

11. (Currently Amended) A rubber composition as claimed in claim 3, wherein the modified conjugated diene-based polymer is synthesized by reacting the growing terminal anions formed by an anion anionic polymerization of an aromatic vinyl monomer and a conjugated diene monomer with a fullerene,

12. (Previously Presented) A rubber composition as claimed in claim 11, wherein the aromatic vinyl monomer unit forms 10 to 80% by weight of the modified conjugated diene-based polymer.

13. (Previously Presented) A rubber composition as claimed in claim 2, further comprising 0.1 to 10 parts by weight of a vulcanizing agent, based upon 100 parts by weight of the rubber component.

14. (Previously Presented) A rubber composition as claimed in claim 7, further comprising 0.1 to 10 parts by weight of a vulcanizing agent, based upon 100 parts by weight of the rubber component.